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World prosperity, global warming and nuclear power: A possible South Carolina role

Author(s): Chaput ES

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Abstract:

Global population and demand for energy have increased in the past fifteen years, and these trends will continue. One consequence of increased energy production has been the buildup of greenhouse gasses in the atmosphere and heightened concern over global warming. Nations are actively seeking energy sources which minimize the release of greenhouse gasses. Nuclear power is one energy source which can safely meet this requirement. The United States is proposing the Global Nuclear Energy Partnership (GNEP), an advanced nuclear strategy with reduced waste and greater protection against using materials in a weapons activity. GNEP activities are consistent with capabilities existing at the Savannah River Site, and two locations in South Carolina are being considered as the location to test these new fuel and reactor concepts.

Resource Description

Exposure: M

weather or climate related pathway by which climate change affects health

Unspecified Exposure

Geographic Feature: M

resource focuses on specific type of geography

None or Unspecified

Geographic Location: M

resource focuses on specific location

United States

Health Impact: M

specification of health effect or disease related to climate change exposure

Cancer

mitigation or adaptation strategy is a focus of resource

Mitigation

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Resource Type: **☑**

format or standard characteristic of resource

Policy/Opinion

Timescale: M

time period studied

Time Scale Unspecified